

We Claim:

1. A needle-free injection device, comprising:
  - a syringe assembly configured to draw in and expel injectable fluid, the syringe assembly being configured to expel injectable fluid upon application of pressurized gas to the syringe assembly from a gas reservoir; and
    - a marking assembly configured to place a mark on or near an injection site to indicate an injection has occurred, the marking assembly being fluidly coupled with the needle-free injection device, such that the marking device is activated upon post-injection venting of the needle-free injection device.
2. The needle-free injection device of claim 1, where the marking assembly includes a housing adapted to retain a fluid reservoir.
3. The needle-free injection device of claim 2, where the fluid reservoir terminates in a nib adapted to draw fluid from within the fluid reservoir out of the fluid reservoir.
4. The needle-free injection device of claim 3 wherein the housing terminates in an outlet through which the nib at least partially extends.

5. The needle-free injection device of claim 4 including a fluid pathway adapted to direct exhaust gas from the syringe assembly across the nib and out of the outlet.

5 6. The needle-free injection device of claim 3, where the slidable valve assembly fluidly couples the gas reservoir with the housing such that exhaust gas from the gas reservoir is directed over a tip of the marking instrument.

7. The needle-free injection device of claim 1, where the syringe assembly 10 includes a slidable valve assembly configured to control buildup and release of pressure within the gas reservoir, the slidable valve assembly being progressively movable from a fired position to a stored position, where:

when the slidable valve assembly is moved from the fired position to the stored position the slidable valve assembly fluidly couples the gas reservoir with the marking 15 assembly.

8. A needle-free injection device comprising:
- a user-grippable housing;
- a syringe assembly movably secured to the housing and configured to expel injectable fluid out of the nozzle upon application of a pressurized gas to the syringe
- 5 assembly;
- a pressurized gas delivery mechanism disposed within the housing and configured to selectively apply pressurized gas to the syringe assembly; and
- a marking assembly configured to place a mark on or near an injection site to indicate an injection has occurred, the marking assembly being fluidly coupled with the
- 10 needle-free injection device, such that the marking device is activated by exhaust gas from the gas delivery mechanism.
9. The needle-free injection device of claim 8 wherein the exhaust gas is directed to the marking assembly upon post-injection venting of the needle-free injection
- 15 device.
10. The needle-free injection device of claim 8 wherein the marking assembly includes a housing configured to retain a fluid reservoir.
- 20 11. The needle-free injection device of claim 10 wherein the fluid reservoir is a marker having a nib.

12. The needle-free injection device of claim 11 wherein the exhaust gas is directed over the nib of the marker and onto the surface of an injection recipient.

13. A needle-free injection device, comprising;

5        a gas reservoir;

      a syringe assembly configured to expel injectable fluid out of a nozzle upon application of pressurized gas from the gas reservoir to the syringe assembly;

      a pressurized gas delivery mechanism adapted to apply pressurized gas to the syringe assembly

10        a marking assembly configured to place a mark on or near an injection site to indicate an injection has occurred; and

      an exhaust gas pathway configured to direct at least a portion of exhaust gas from the pressurized gas delivery mechanism to the marking assembly.